

**U.S. ARMY SPACE
AND
STRATEGIC DEFENSE COMMAND
HUNTSVILLE, ALABAMA**

APPENDICES

**SCOPE OF WORK SW-IM-01-98
COMMAND INFORMATION MANAGEMENT SYSTEM
(CIMS)**

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APPENDIX A

GLOSSARY

ADP	Automated Data Processing
ADPE	Automated Data Processing Equipment
AIS	Automated Information System
AMD	Air and Missile Defense
AMS	Army Management Structure
ANSI	American National Standards Institute
ARM	Accounting Resource Management
ARMS	Automation Resources Management System
ARSPACE	Army Space Command
ASAT	Anti-Satellite
ASCE	American Society Of Civil Engineers
ASME	American Society Of Mechanical Engineers
AWS	Alternate Work Schedule
BMDO	Ballistic Missile Defense Organization Program Execution Office
C/SSR	Cost/Schedule Status Reports
CAD	Computer Aided Design
CALS	Computer Aided Logistics System
CAP	Contract Action Plan
CAPR	Capability Requirement
CASE	Computer Aided Systems Engineering
CAW	Certification Authority Workstation
CCB	Configuration Control Board
CG	Commanding General
CIMS	Command Information Management System
CIMS-L	CIMS-Library Archival Systems
CONUS	Continental United States
COOP	Continuity Of Operation Plan
COTS	Commercial-Off-The-Shelf
CRP	Contracts Requirements Package
CSSD-IM-P	Organizational Code for Information Management, Plans and Operations Support Division
CPM	Critical Path Method
CPR	Cost Performance Report
CPS	Cost Project Schedule
CSR	Command Status Report
DA	Department of the Army
DBMS	Database Management System
DCG	Deputy Commanding General
DCPS	Defense Civilian Pay System
DCS	Deputy Chief of Staff
DCSILE	Deputy Chief of Staff, Installations, Logistics & Environment
DCSIM	Deputy Chief of Staff, Information Management
DCSP	Deputy Chief of Staff, Personnel
DCSRM	Deputy Chief of Staff, Resource Management
DDAAM	Data Definition and Administration Module
DEC	Digital Equipment Corporation
DECNet	Digital Equipment Corporation Network
DEFAS	Defense Finance and Accounting Service

DII COE	Defense Information Infrastructure Common Operating Environment
DMS	Defense Message System
DoD	Department of Defense
DODDIS	Department of Defense Directives & Industry Standards
DSU/CSU	Data Service Unit/Channel Service Unit
EC/EDI	Electronic Commerce/Electronic Data Interchange
EEO	Equal Employment Opportunity
EIS	Executive Information Systems
ENTRAC	Environmental Compliance Tracking
FDDI	Fiber optic Data Distribution Interface
FIRMR	Federal Information Resources Management Regulation
FMER	Funds and Man-hours Expenditure Report
FTP	File Transfer Protocol
GFE	Government Furnished Equipment
GOSIP	Government Open Systems Interoperability Protocols
GOTS	Government Off The Shelf
GUI	Graphical Users Interface
HDEMS	Help Desk Enterprise Management System
HQ	Headquarters
HR	Human Resources
HRMO	Human Resource Management Office
HTME	HyperText Markup Language
IAW	In Accordance With
IEEE	Institute Of Electrical And Electronic Engineers
IMA	Information Mission Area
IMO	Information Management Office
IP	Interface Protocol
ISC	Information Service Center
ISDN	Integrated Services Digital Network
ISSM	Information System Security Manager
ISSO	Information System Security Officer
JIMS	Jukebox Interface Management System
JPO	Joint Program Office
JWICS	Joint Worldwide Intelligence Communications System
KMR	Kwajalein Missile Range
LAN	Local Area Network
LIC	Labor Input Code
MATES	MICOM's Automated Timecard Entry System
MDBIC	Missile Defense Battle Integration Center
MDSTC	Missile Defense and Space Technology Center
MICOM	U.S. Army Missile Command reorganized as the U.S. Army Aviation and Missile Command (AMCOM)
MMS	Material Maintenance System
MQR	MDSTC Quarterly Report
NCS	Network Control Station
NMD	National Missile Defense
NSO	Network Security Officer
O&M	Operations and Maintenance
OCR	Optical Character Recognition
ODBC	Open Database Connectivity
ODCSI	Office Deputy Chief of Staff, Intelligence
ODCSIM	Office Deputy Chief of Staff, Information Management
ODCSP	Office Deputy Chief of Staff, Personnel

ODCSRM	Office Deputy Chief of Staff, Resource Management
OPCR	Operating Program Change Requests
OS	Operating System
PAT-1	Process Action Team
PB	Property Book
PCS	Password Control Center
PEO	Program Executive Officer
PMA	Program Management Agreement
PMD	Property Management Division
PO	Project Office
POE	Primary Organizational Elements
PR	Problem Report
PRA	Probabilistic Risk Analysis
PRON	Procurement Request Order Number
PSR	Programming Services Request
RFP	Request for Proposal
R&D	Research & Development
RDBMS	Relational Database Management System
SCI	Sensitive Compartmented Information
SCIF	Sensitive Compartmented Information Facility
SCR	Software Change Request
SDI	Strategic Defense Initiative
SETAC	Systems Engineering and Technical Assistance Contractor
SIPRNET	Secret Internet Protocol Router Network
SMDC	Space and Missile Defense Command
SMTP	Simple Mail Transport Protocol
SOW	Scope of Work
SOMARDS	Standard Operations and Maintenance, Army Research, Development System
SSO	Special Security Office
SSP	System Security Plan
STARCIPS	Standard Army Civilian Payroll System
STARS	Suspense Tracking And Retrieval System
TBD	To Be Determined
TD	Technical Directive
TDA	Table of Distribution and Allowances
TEA	Total Enrollment Automation
THAAD	Theater High Altitude Area Defense
TIM	Technical Interchange Meeting
TM	Technical Monitor
TMIS	Technical Management Information System
TOD	Tour of Duty
UPS	Uninterruptible Power System
US1	Unclassified Sensitive 1
US2	Unclassified Sensitive 2
USAKA	U.S. Army Kwajalein Atoll
USASSDC	U.S. Army Space and Strategic Defense Command
VTC	Video Conferencing Center
WM	WebMaster
WORM	Write Once Read Many
WSMR	White Sands Missile Range
WWW	World Wide Web
XNS	Xerox Network Systems

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IAW	In Accordance With
IEEE	Institute Of Electrical And Electronic Engineers
IMA	Information Mission Area
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IP	Interface Protocol
ISC	Information Service Center
ISDN	Integrated Services Digital Network
ISSM	Information System Security Manager
ISSO	Information System Security Officer
JIMS	Jukebox Interface Management System
JPO	Joint Program Office
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SOW	Scope of Work
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SSO	Special Security Office
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TOD	Tour of Duty
UPS	Uninterruptible Power System
US1	Unclassified Sensitive 1
US2	Unclassified Sensitive 2
USAKA	U.S. Army Kwajalein Atoll
USASSDC	U.S. Army Space and Strategic Defense Command
VTC	Video Teleconferencing Center
WM	WebMaster
WORM	Write Once Read Many
WSMR	White Sands Missile Range
WWW	World Wide Web
XNS	Xerox Network Systems

APPENDIX B
APPLICABLE REGULATIONS

ARMY REGULATIONS

AR 25-1	The Army Information Resources Management Program
AR 25-3	Army Life Cycle Management of Information Systems
AR 25-11	Record Communication and the Privacy Communication System
AR 70-1	Research, Development, and Acquisition, Army Acquisition Policy (http://www.sarda.army.mil)
AR 380-5	Department of the Army Information Security Program Regulation
AR 380-19	Information System Security
USASSDC Reg 380-19	Information System Security
AR 385-10	Army Safety Program
AR 385-40	Accident Reporting and Records

ARMY PAMPHLETS

DA PAM 25-1-1	Installation Information Services
DA PAM 25-4	Information Systems Technical Documentation
DA PAM 25-6	Configuration Management for Automated Information Systems

DIRECTIVES

DoDD 5200.28	Security Requirements for Automated Information Systems (AISS)
DoDD 5220.22-M	National Industrial Security Program Operating Manual
DoDD 7740.1	DoD Information Resources Management Program
DoDD 7950.1	Automated Data Processing Resources Management
DoDD 7950.1-M	Defense Automation Resources Management Manual
DoDD 8000.1	Defense Information Management (IM) Program

STANDARDS

MIL-STD-498	Software Development And Documentation
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OTHER REFERENCES

DoD	Joint Technical Architecture V 1.0, 22 Aug 97 (Web site www-jta.itsi.disa.mil/)
USASSDC	Industrial Operations Security (OPSEC) Guide, Sep 1991, CSSD-IN-C

Appendix C

SCHEDULED MAINTENANCE

SCHEDULED MAINTENANCE AS OF - March 1997			
HARDWARE MAINTENANCE			
	VENDOR		DESCRIPTION
1	Digital Equipment Corporation		Various hardware
2	Alabama Southeastern (ASM)		Air conditioning unit
3	Cayman Systems		GatorCare - routers, hub & remote access server products
4	Clary Corporation		Uninterruptable power system
5	Hewlett Packard		HP system
6	XES		VAX, color printers
7	QMS		Color printer located in DC
		TOTAL (SCHEDULED) HARDWARE MAINTENANCE:	
SOFTWARE LICENSES			
	VENDOR	SOFTWARE	DESCRIPTION
1	ATTACHMATE	Pathway Access	TCPIP Protocol (Internet) pkg. for VAX
2	CAMPBELL	OnTime	Calendaring System for scheduling
3	DIGITAL EQUIPMENT CORP. (DEC)	Various	VMS Operating System & components
4	EEC SYSTEMS	SuperDisk	"Internal" memory
5	EXECUTIVE SOFTWARE	DiskKeeper	Disk De-fragmentation tool
6	FEDERAL DATA SYSTEMS/FTP	OnNet	TCPIP Protocol pkg. for PCs/CIMS Client Access
7	IQ SOFTWARE CORP.	Intelligence	Intelligence Query Software
8	ORACLE	Various	Database Management:Browser, Windows, Form 4S, SQL
9	SOFTEK INTERNATIONAL	Grafsmen	Graphics Support for CIMS
10	SPIRE TECHNOLOGIES	Word Perfect	Word Perfect on the VAX
11	SUN MICROSYSTEMS	Various	Sun Operating System and components
12	TECHNET	MS Technet	MicroSoft Technical Software Bulletins
13	WELCOM SOFTWARE TECH.	Open Plan Prof.	Project Management Software

APPENDIX D

NON-ADPE - HUNTSVILLE

<u>VENDOR</u>	<u>MODEL</u>	<u>DESCRIPTION</u>	<u>QTY</u>
CLARY	UPS 3-30K-1A-UL	Uninterruptible Power System	1
CLARY		Phase Loss Detector	1
LIEBERT	FH199A-CO1	Air Conditioner System Delux-3	1

NON-ADPE - WASHINGTON

<u>VENDOR</u>	<u>MODEL</u>	<u>DESCRIPTION</u>	<u>QTY</u>
Digital	HA/1000	Uninterruptible Power System	1

APPENDIX E

DMS CERTIFICATION AUTHORITY WORKSTATION

INTRODUCTION

This appendix is provided as a guide in performing Scope of Work SW-IM-01-98, and defines the Certification Authority Workstation (CAW) that is required to support the USASMDC implementation of the Defense Message System (DMS). In addition, the CAW is an integral part of the CIMS Password Control Center that is scheduled for development and installed as required by Scope of Work Paragraph 7.7 - Password Control Center. The following definition appeared in the DMS-Army Newsletter, Volume 8, December 1996. For more information, you may visit the Army DMS Web Site at <http://www.monmouth.army.mil/DMS>.

WHAT IS A DMS CERTIFICATION AUTHORITY WORKSTATION

The DMS Certification Authority Workstation is a National Security Agency (NSA) - developed Multilevel Information Systems Security Initiative (MISSI) product consisting of commercial off-the-self (COTS) hardware components and NSA - developed software. It is used by the DMS to provide security-management functions. The CAW's components include a PC, a dual-slot card reader, a laser printer, a label maker, and the CAW software. It typically resides within a central facility local to the DMS system and is operated by a Certificate Authority (CA). The CA for the USASMDC's DMS is the DCSIM. The CAW manages certificates, keys, and security credentials for FORTEZZA crypto cards for up to 2000 DMS card users. Each card must be loaded with certificates that reflect the user's individual or organizational identities and privileges. Before the CAW can be activated, a special NSA FORTEZZA card issued to the CA must be inserted into the bottom slot of the CAW's card reader and its personal identification number (PIN) entered. The top slot of the CAW's card reader is used to program the user's new card.

For a user to obtain a FORTEZZA card, a request form must be submitted via an approved method (mail carrier, for example) to the CA for processing by the CAW. Using the CAW, the CA performs additional validation checks and then, off-line, programs the FORTEZZA card with certificates for the user. On-line, the CA enters the user's information into the DMS X.500 directory. A label is printed on the CAW's label maker which the CA affixes to the user's card to indicate its authorized security-use level. The CA then sends the CAW-programmed card to the requesting user and separately sends a printed copy of the user-unique PIN from the CAW's laser printer.

As part of its security-management function, the CAW also provides the users with card updates, replacements or changes, as necessary.

APPENDIX F

**DRAFT
FUNCTIONAL DESCRIPTION
FOR
SMALL PURCHASE TRACKING SYSTEM**

APPENDIX F

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FUNCTIONAL DESCRIPTION FOR SMALL PURCHASE TRACKING SYSTEM REQUIREMENTS ANALYSIS

SECTION 1. GENERAL

1.1 Purpose of the Functional Description

This functional description for the U.S. Army Space and Strategic Defense Command (USASSDC) Small Purchase Tracking System module requirements analysis task has been written to provide: (a) a system requirements to serve as a basis for mutual understanding between the user (USASSDC) and the developer; (b) information on performance requirements, preliminary design considerations, and user impacts including fixed and continuing costs; and (c) a basis for development of system tests.

Note: This software module was in the functional description phase of development during the preparation of SOW SW-IM-01-98, and is provided as a starting point for final design and development of the Small Purchase Tracking System capability. Software design and development will be performed IAW the Software Engineering requirements in SOW SW-IM-01-98.

1.2 Terms and Abbreviations

The acronyms and abbreviations used throughout this document are defined, as follows:

A.	<u>Terms</u>
Look-Up table	A data storage file for commonly-used information
Pop-Up List	Temporary window of data options available to the user at the time of data entry or modification
Standard Report	Report available for selection at any time
Table	Data storage file
User-friendly	Describes an environment which requires minimal user action or knowledge
B.	<u>Abbreviations</u>
ADP	Automated Data Processing
AIS	Automated Information System
DCSIM	Assistant Chief of Staff for Information Management
CARN	Contract Action Register Number
CIMS	Command Information Management System

COOP	Continuity of Operations Plan
CMP	Configuration Management Plan
CPU	Central Processing Unit
DA	Department of Army
DBA	Database Administrator
DBMS	Database Management System
DoD	Department of Defense
FD	Functional Description
FOUO	For Official Use Only
FY	Fiscal Year
LOE	Level of Effort
LOV	List of Values
HOL	High Order Language
PC	Personal Computer
POC	Point of Contact
PR-S	Problem Report-Software
RDBMS	Relational Database Management System
SCR	Software Change Request
SQL	Structured Query Language
USASSDC	United States Army Space and Strategic Defense Command
VAX	Virtual Address Extensions

SECTION 2. SYSTEM SUMMARY

2.1 Background

The Small Purchase Office of USASSDC tracks and processes small purchase requests for the entire Command. This includes verifying approvals from the appropriate authorities, and verifying certified funding.

The Command Information Management System (CIMS) provides primary support for the information management needs of USASSDC. Local and remote offices are connected via personal computers (PCs) on an unclassified network to host computers which provide centralized computing resources and data storage capabilities for the entire organization.

As USASSDC activity increases while USASSDC staffing levels decrease, the need for data automation and compatibility within an automated information management system environment becomes significantly greater. The design of the Small Purchase Tracking System module (and its implementation on a common software environment platform--i.e., Oracle RDBMS on the CIMS VAX cluster) provides a means of meeting such needs.

2.2 Objectives

The primary objective of the Small Purchase Tracking System module is the creation of an automated system for processing and tracking small purchases from inception by the requester through delivery and payment. The Small Purchase Tracking System module will be compatible with--and integrated into--the existing CIMS. The system will provide the functionality to meet the small purchase processing and tracking needs of USASSDC.

2.3 Existing Methods and Procedures

The requester completes a Request For Supplies/Equipment form, USASSDC Form 580-R, for each item desired. The requester must then obtain approval from the hand receipt holder (or alternate) to whom the item will ultimately belong. The requester must then establish funding for any item(s) to be purchased. This funding can be in the form of a pre-certified "bulk" SSSDC 81 funding document, or from a specific USASSDC-generated funding document (SSDC 81) pertaining only to this purchase. (Funding originating from outside the Command is first placed into an internal account, where it is then allocated using a SSSDC 81. This permits accurate and consistent record-keeping.)

If the item is ADP-related, the requester must then complete, and obtain approval for, a Capability Requirements form USASSDC 551-R-E, by the Information Management office of DCSIM. After these steps have been completed, the Logistics office assigns a document control number for each specific type of item purchased from a specific vendor listed on the small purchase request. The "package" of above materials progresses to the Small Purchase office, where specific tracking numbers (CARNs) are assigned by the Contracts office to each vendor/item combination to be purchased. These CARNs are used to establish Contract Action Plans (CAPs) with associated milestones, and contract or delivery order numbers used in conjunction with 1057 reporting requirement information to report contract and delivery order activity to the Ballistic Missile Defense Organization (BMDO) in Washington, DC, as well as to the United States Congress, and to the local Chamber of Commerce.

Finally the purchase order, Standard Form 1449, is generated, signed by the purchasing agent in charge of the purchase order, and mailed or faxed to the vendor(s) for purchase. As items are received, the Small Purchase Office notifies the requester and supplies

him/her with instructions for item "pickup". When the complete order has been delivered, the Small Purchase Office instructs the Defense Finance and Accounting Office (DFAS) to pay the vendor(s).

2.4 Proposed Methods and Procedures

The Small Purchase Tracking System module (see figure 2.4-1) will reside on the USASSDC CIMS application server, and will be accessed via PCs on the existing CIMS network. Small purchase requests will be initiated on-line, where a unique tracking identification number will be assigned to each request when it is entered into the database. This tracking number will allow the requester to monitor his/her request from inception through delivery and payment. Authorized personnel will access user-friendly screens, menus, and reports via the module. Small purchase tracking information will be entered in one place at one time and be reflected instantly in associated screens. Key data elements for processing small purchase requests will include:

- Request ID,
- Date of Request,
- Item Description,
- Manufacturer,
- Model Number,
- Part Number,
- Quantity Requested,
- Unit of Issue,
- Unit Cost,
- Total Cost,
- Suggested Source,
- Address of Suggested Source,
- POC/POC Phone at Suggested Source,
- GSA Contract Number,
- Hand Receipt Number,
- Physical Office of Hand Receipt Holder,
- Room Number,
- Phone Number,
- Request Point of Contact.

Only the hand receipt holder/alternate holder to whom the item(s) will ultimately belong will be able to authorize its purchase. Only approved funding officials will be able to establish funding for a small purchase request. Only individuals authorized by DCSIM will be able to approve CAPR requests within an office (POE chiefs and designees). Only authorized DCSIM officials will be able to approve an associated on-line CAPR. Only authorized Logistics officials will be able to assign document control numbers to a request. Only authorized purchasing agents in the Contracts Office will be authorized to indicate that any given item listed on the automated small purchase request has in fact been purchased.

Only authorized personnel will be able to view and update small purchase requests. Requesters will be able to view only those requests generated by their office.

2.4.1 Summary of Improvements

The primary improvements resulting from the Small Purchase Tracking System module will be the automation of the manual processes and elimination of duplicated data entry. These improvements will provide better performance and reliability of small purchase tracking procedures.

User error will be minimized, as all inputs and modifications will be validated where possible. These validation checks, along with the automation of reports and data entry, will improve the overall response time of user functions.

Restricted user access procedures will provide flexibility of data access and efficiency of data integrity. User restriction of small purchase tracking data will be directed by a module point of contact (POC) appointed by the Small Purchase branch of the Contracts Office, thus providing control of functional and data access.

Implementing the Small Purchase Tracking System module on the CIMS application server will provide direct benefits to users with expertise in other areas of the CIMS. The Small Purchase Tracking System module will be functionally compatible with other modules on the CIMS, in addition to having a graphical user interface with "point and click" capability, thereby, easing learning times for other CIMS modules.

Finally, the generation and printing of hard copy versions of forms 580-R-E, 81, 551 and 1449, can be accomplished with the click of the mouse, as is appropriate in the case of a small purchase request.

2.4.2 Summary of Impacts

2.4.2.1 User Organizational Impacts

There are no expected impacts on the number of personnel required to operate the automated Small Purchase Tracking System module. Individual control desk managers may decide to designate one or two individuals as "gatekeepers", individuals who monitor the in-flow of requests into their areas, and distribute the workload to internal points of contact. The assignment of a position as gatekeeper will be processed via the existing Total Enrollment module on the CIMS.

2.4.2.2 User Operational Impacts

An important area of operational impact stems from the controlled nature of the Oracle database. Access to the Oracle database is controlled by user passwords and module-specific access tables. If a user fails to login correctly, access to the Oracle database is denied. Correct login procedure is as follows:

- Click the CIMS Module Menu icon.
- Enter user name.
- Press the Tab key one time.
- Enter password.
- Depending on the speed of the user's machine and the network load, the CIMS Module Menu should appear within one minute. Follow the instructions to choose the module specific to user needs.

Configuration management procedures will also be an important area of operational impact. The CIMS is under a strict set of configuration

guidelines. Software problems and changes are reported on Problem Reports - Software (PR-Ss) and Software Change Requests (SCRs), respectively. These refinements are then subject to approval by the appropriate module manager and the DCSIM module oversight point of contact, prior to implementation by the CIMS software support staff.

2.4.2.3 User Development Impacts

A test and implementation plan will be developed to ensure that the new software is fully tested prior to being placed into the production environment. It is expected that some period of parallel processing will be required to fully ensure that all existing manual functionality has been properly converted.

User manuals will be provided to all users of the Small Purchase Tracking System module. User assistance/support will be provided by the CIMS software support developer maintaining the module indirectly through the module manager. Assistance may also be obtained by contractor staff assigned to the Help Desk.

2.4.2.4 Change Control Impacts

Prior to system completion, it is reasonable to expect that certain changes in system requirements may be requested. The ability to complete the implementation phase of the Small Purchase Tracking System module will be directly impacted by the nature and severity of such changes. To ensure that potential changes are properly addressed without impeding the design/implementation process, a pre-determined methodology for handling change requests during this period is critical.

All requested changes will be prioritized beginning immediately following the submittal of this document. Prior to the approval of this document, written change requests may be submitted to the DCSIM point of contact for this module. However, if it is determined that the requested change is a result of misinterpretation of the requirements resulting from the user interview process, this document will be modified appropriately, requiring only the module manager's approval. After approval signatures are received, all change requests must follow the procedures outlined in the following paragraphs. These procedures only apply during the phase prior to system implementation. After implementation, changes will be handled with an SCR.

The following are examples of possible requests that may be encountered. This list is not meant to be all inclusive. Note that changes required prior to implementation due to programming errors, omissions, or performance enhancements that do not affect module functionality will be initiated by the CIMS software support contractor without the necessity of these procedures.

- New or modified reports, screens, and other programs.
- New or modified functional requirements as defined in this document.
- Any request that affects the database design, such as the capture of additional data elements.

- Cosmetic changes.

The priority of each request will be determined by the module manager of the requesting organization and the DCSIM module oversight point of contact.

Analysis will be required by the Contractor to determine the full impact of the request. This impact would include new implementation schedules and new man-hour and cost proposals. After the impact has been defined, signatures will be required from the DCSIM module oversight point of contact and the contractor task manager before the change is implemented. After the request has been approved by these personnel, the necessary changes will be incorporated into the Functional Description.

SECTION 3. DETAILED CHARACTERISTICS

3.1 Specific Performance Requirements

The primary goal of developing the Small Purchase Tracking System module on the CIMS is a fully compatible and integrated system for tracking and processing small purchase request information. By developing in a common software/hardware environment, the Small Purchase Tracking System module can share data with existing and future CIMS applications wherever feasible. The intent is to develop the Small Purchase Tracking System module within the newly standardized common graphical user interface of the CIMS.

Users will access the system in an interactive mode through menus from which they may choose particular tasks to be performed. Movement between the menus and screens will allow novice users to learn the module quickly, while allowing expert users to accomplish their tasks expediently. All reports and other Central Processing Unit (CPU) intensive processes will be accomplished on the user's PC, as the module will be developed using client-server technology. (Assume that the user's PC is the client, and the network and disk drives attached to the VAX cluster are the server.) It is, therefore, essential that the user have at least at 486-based 66 MHz PC, with at least 12 megabytes of random access memory (RAM). A Pentium-based PC, with the above specifications is preferable as the processing activity formerly done on the VAX cluster will now be performed on the individual PC.

Throughout all phases of database and programming design, the highest priority will be given to finding alternative means of accessing and updating the data in the most efficient manner possible. By using well-developed methodologies for these designs, response times will be reduced to the minimum possible for the hardware and software products used.

3.1.1 Accuracy and Validity

All entries into the module are edited for accuracy and validity. Each input field, unless otherwise noted, possesses its own set of specific edit specification criteria. Whenever possible, look-up tables will be used for on-line validation of coded fields and commonly used data elements. In addition to the edit specifications, numeric data will be further validated through a series of checks and balances built into the module, where the checks and balances have been defined.

3.1.2 Timing

During normal operations, the network response time will effectively support interactive mode operations, however during peak periods of network activity, the user may notice some degradation in performance. Primarily, most activity will be occurring on the user's PC, so network activity will probably not be a major factor in the module's performance.

3.1.3 Capacity Limits

The module will be capable of storing data records as required to maintain all currently active information. The active data will reside on the VAX disc drives for on-line review and update. Once the data is obsolete or completely inactive, it will be archived onto magnetic or optical media for storage and possible future use. The guidelines for determining which data is to be archived will be established by the module manager.

Once the obsolete or inactive data has been archived, the module manager must specifically request that the data be reloaded into the module, should the need arise. This request should be directed to the CIMS Computer Operations staff and coordinated with the CIMS software support point of contact, as well as the DCSIM module oversight point of contact. The computer operator will be responsible for loading the data into the module's database table(s), and contacting the requesting user upon completion. The Database Administrator (DBA) will coordinate this process.

3.2 Functional Area System Functions

The following are functional requirements for the Small Purchase Tracking System module. Each has been assigned a unique identifier that will be used for tracking it during the development and test phases.

Specific requirements to support an on-line Capability Requirements (CAPR) form have been placed at the end of this section. The on-line CAPR is treated as an available option with the implementation of the Small Purchase Tracking System module. Although it need not be implemented for the module to work, the effectiveness and purchase-tracking ability of the module will be significantly diminished without this option, because several days may pass while a small purchase request is under review by the DCSIM office.

SP-01. The on-line small purchase request will be modeled after the USASSDC 580 form, with necessary modifications making both requester-friendly and traceable via the various control numbers assigned along the way to final delivery and payment.

SP-02. The system will contain mechanisms to prevent unauthorized access to on-line small purchase requests.

SP-03. The system will allow the requester to enter any number of items and vendors on a given small purchase request, with the understanding that each ADP-related item is subject to review by DCSIM, and must be individually approved by the hand receipt holder/alternate hand receipt holder designated by the item's hand receipt number assignment.

SP-04. The key data element for accessing and relating small purchase tracking data is the request identification number, a uniquely computer-generated tracking number generated for each small purchase request.

SP-05. The module will provide screens to display or allow update on the following fields for small purchase tracking data:

<u>FIELD NAME</u>	<u>COMMENT</u>
REQUEST ID	Computer-generated, unique tracking number, <i>not</i> subject to update or reuse
ITEM_NUMBER	Computer-generated, item-specific sequence number. Unique within a given request_id.
REQUESTER_ID	Personnel ID of requester of small purchase request submission
APPROVER ID	Personnel ID of Hand Receipt Holder/Alternate Holder who approved request.
APPROVAL DATE	Date approving official logged into system and approved the request submission; computer-assigned, not subject to update.
CAPR REQUIRED	Y or N, if Yes automatically pop-up the on-line CAPR; item does not appear on Resource Management's pending list until after CAPR has been approved.
ITEM DESCRIPTION	Description of item requested, required
NSN	National Stock Number of item requested
MANUFACTURER	Manufacturer of item requested
MODEL NO	Model Number of item requested
PART NO	Part Number of item requested
QUANTITY REQUESTED	Numeric
UNIT OF ISSUE	Example (EA for each)
EST UNIT COST	Estimated cost, numeric dollar value
EST TOTAL COST	Estimated total cost, numeric dollar value, not subject to update
ACT UNIT COST	Actual unit cost, numeric dollar value
ACT TOTAL COST	Actual total cost, numeric dollar value, not subject to update
SUGGESTED SOURCE(s)	Location(s) to purchase item
ADDRESS OF SUGGESTED SOURCE	Text
POC/PHONE	Point of contact and phone number at suggested source
GSA CONTRACT NO	GSA Contract Number used to purchase item
HAND RECEIPT NO	Hand receipt number of person who will ultimately be responsible for item.
REQUEST POC	Point of contact for the request
REQUEST DATE	Date of request, manually entered
FUNDING DOCUMENT NUMBER	USASSDC 81 funding document order number
FUND ESTABLISHMENT DATE	Date uncertified funding was established
FUND CERTIFICATION DATE	Date certified funding was established
CAPR NUMBER	CAPR Number assigned to request
CAPR REQUEST DATE	Date associated CAPR was assigned to request
CAPR APPROVAL DATE	Date associated CAPR was approved
DCN	Document control number assigned to request
DCN ASSIGNMENT DATE	Date associated document control number was assigned by Logistics office
DATE ORDERED	Date order was originally placed to vendor

QUANTITY RECEIVED	Quantity received (for partial deliveries)
DATE RECEIVED	Date all or part of order was received
DATE PAID	Date DFAS was instructed to pay vendor
HOLD DATE	Date request put on hold
HOLD REQUESTER	User ID/Name of person who initiated hold
HOLD REASON	Text
CREATE DATE	Date entry was entered into database
CREATE ID	User ID of individual who actually entered request into the module.
UPDATE ID	User ID of individual who made the last modification to the request.
UPDATE DATE	Date of last modification to the request.

The following additional text commentary fields may be required for a small purchase:

- JUSTIFICATION FOR PRIORITY STATUS
- SOLE SOURCE JUSTIFICATION OR NON-COMPETITIVE PROCUREMENT SOLICITATION
- OTHER

SP-06. The system will provide an on-line approval mechanism for hand receipt holders and alternate holders to approve the submission of a small purchase request, generated by a requester in their physical office or subordinate physical office. (NOTE: until all other requirements are met for CAPR and funding, this request will be automatically on hold.)

SP-07. The system will provide a mechanism to the requester to mark a small purchase request as competitive or non-competitive.

SP-08. The system will require the requester to enter a sole-source justification, if the item is marked as non-competitive.

SP-09. The system will provide a mechanism for the requester to enter a sole-source justification.

SP-10. The system will provide a mechanism for the requester to enter a justification for priority status.

SP-11. The system will prevent a requester from modifying a request once it has been approved by the hand receipt/alternate hand receipt holder.

SP-12. The system will provide a mechanism to for the requester, approving officials and other authorized personnel to print a given small purchase request at any time.

SP-13. The system will provide a mechanism to show the requester and approving official the status of the request from inception through delivery and payment.

SP-14. The system will provide the capability for authorized personnel of Small Purchase team in Contracts, the Logistics Office, and DCSIM to place a small purchase request item on-hold, or to disapprove a request.

SP-15. The system will require a hold reason if a request is placed on hold. The hold reason will be a single line of text approximately sixty characters in length. No restrictions on content.

SP-16. The system will allow any authorized individual who can place a request item on hold to release a hold, even if he/she was not the individual who placed the item on hold.

SP-17. A release comment will be required when a hold is released from a small purchase request item.

SP-18. The system will not permit the deletion of holds from the database, as they are essential for historical and tracking purposes.

SP-19. The system will provide a mechanism to establish a link between a small purchase request item and an on-line SSDC 81 entered by the Resource Management office.

SP-20. The system will provide a mechanism to automatically mark the SSDC 81-connected funding to a small purchase request item as certified.

SP-21. The system will provide a mechanism to transfer available "labor-saving" information entered on the small purchase request item to the document register screen once the Logistics employee has connected to the small purchase request item, to avoid duplicate entry of information.

SP-22. The system will provide a mechanism to the Logistics office to attach a memorandum to a given small purchase request item.

SP-23. The system will allow the Contract Office's small purchasing agents to maintain a list of funding approval individuals who can enter "bulk" SSDC 81 numbers established in the automated on-line 81 and certified by Accounting.

SP-24. The system will allow the funding approval official to associate a respective bulk-funding SSDC 81 Order Number with a given small purchase request item.

SP-25. The system will validate the SSDC 81 order number entered by the funding approval official against the on-line automated SSDC 81 database table that is a part of the Budget and Execution module.

SP-26. The system will compute the available funds based upon the base order number of the latest amendment's current amount and the expenditures recorded in the SPTS.

SP-27. The system will display the available funds on the screen.

SP-28. The system will provide a mechanism to connect actual funding commitments entered into the existing Budget & Execution module to corresponding small purchase request items.

SP-29. The system will provide a mechanism to connect SSDC 81 funding documents entered into the existing Budget & Execution module to corresponding small purchase requests items.

SP-30. The system will provide Resource Management personnel with a report to show the following information: FY, OPLIN, Current Amount from the SSDC 81 funding document, Obligated Amount (actual purchase price including all shipping fees, etc. from the connected small purchase requests), Current Amount - Obligated Amount, Accounting Classification, and Fund Certification lines. This report will be subtotaled at the Accounting Classification level to illustrate available funding, with a "Grand Total" line at the end of the report. This report will show only the funding status lines associated with small purchase requests marked as "Delivery Complete" and paid in full.

SP-31. The system will allow the Logistics office to modify the small purchase request in order to designate that the items(s) requested will be obtained from in-stock items or through the GSA contract.

SP-32. The system will allow authorized DCSIM personnel to modify the small purchase request in order to designate that the items(s) requested will be obtained from in-stock items or through the GSA contract.

SP-33. The system will allow the Small Purchase office to modify the small purchase request in order to designate that the items(s) requested will be obtained from in-stock items or through the GSA contract.

SP-34. The system will route all small purchases to the small purchase gatekeeper in the Contracts Office.

SP-35. The system will validate the small purchase gatekeeper using information previously entered into the Total Enrollment module where the gatekeeper was enrolled.

SP-36. The Total Enrollment module will be modified to accommodate the requirements of the Small Purchase Tracking System module.

SP-37. The system will provide a mechanism to the small purchase gatekeeper to assign each request to a purchasing agent.

SP-38. The system will allow any purchasing agent to view another purchasing agent's assigned request, but the purchasing agent will not be able to change a request not assigned to him/her.

SP-39. The system will provide a mechanism to generate CARN extensions automatically for each vendor grouping on a given request. This assignment will be initiated by the purchasing agent. The CARN extensions are built from the master CARN assigned by Resource Management via the automated SSDC 81.

SP-40. The system will provide a mechanism to allow for multiple delivery promise dates to be entered by the purchasing agent, with additional information (a "short reason" and a "long reason") for the delay.

SP-41. The system will provide a mechanism for the purchasing agent to attach textual information memoranda to any given small purchase as a matter of historical record.

SP-42. The system will allow any number of memoranda to be attached to a given small purchase request.

SP-43. The system will extract information from the small purchase input form to produce the purchase order, the 1449.

SP-44. The system will provide a mechanism for the small purchasing agent to mark an item as "delivery complete".

SP-45. The system will provide a mechanism for the small purchasing agent to notify the requester of the location of his/her delivered items.

SP-46. The system will provide a mechanism for the small purchasing agent to enter the actual cost of a purchased item.

The following specifications are to be implemented only if the on-line CAPR is approved and funded along with the above specifications.

SP-47. The system will provide an on-line mechanism to designate if an item has completed the CAPR approval process. (Default to Yes.) If the item in question has been accepted, the system will automatically "pop-up" an on-line CAPR request form and transfer relevant information to it.

SP-48. The system will provide a mechanism to enter a CAPR on-line.

SP-49. The system will generate a "temporary" unique tracking number when the CAPR is entered by a requester.

SP-50. The system will provide a mechanism to copy information from an existing small purchase request to a CAPR.

SP-51. The system will allow only the requester and those with signature authority over that CAPR to view or modify that CAPR (aside from authorized individuals in DCSIM, Resource Management, Logistics, and Contracts).

SP-52. The system will not permit deletion or modification of a CAPR by the requester or approving official after it has been approved by the approving official listed in the CAPR signature authority table.

SP-53. The system will provide a mechanism for authorized DCSIM personnel to maintain a "signature authority table" which lists all personnel who can approve a CAPR within the office of the requester. This "signature authority table" will contain the following data items: User Account Name and POE chief designator flag (Y/N) defaulted to N.

SP-54. The system will allow an individual listed in the CAPR "signature authority table" marked as a POE chief to approve his/her own CAPRs.

SP-55. The system will generate the CAPR tracking number as soon as the individual listed in the CAPR "signature authority table" approves the CAPR on-line.

SP-56. The system will automatically feed pertinent information into the existing CAPR module from the on-line CAPR form, when it has been approved by the POE chief or designee listed in the CAPR signature authority table.

SP-57. The system will provide a mechanism to show the requester the DCSIM customer POC assigned to the CAPR by the CAPR gatekeeper.

SP-58. The system will allow the user's approving official to electronically approve/disapprove a CAPR.

SP-59. The system will allow the CAPR gatekeeper of DCSIM to electronically designate which customer POC is to oversee an in-coming CAPR.

SP-60. The system will provide a mechanism for the CAPR gatekeeper to reassign the customer POC.

SP-61. The system will allow the customer POC to designate technical personnel to provide technical review and approval/disapproval for a given CAPR.

SP-62. The system will provide a mechanism for the CAPR customer POC to reassign technical reviews/approvals, if so needed.

SP-63. The system will provide a mechanism to enter technical review memoranda on-line, which can be accessed only by the originator of the memorandum or CAPR customer POC.

SP-64. The system will allow only designated DCSIM personnel to enter, update, or delete technical review memoranda until the CAPR has been approved or disapproved by the CAPR final approval authority.

SP-65. The CAPR gatekeeper will be given authority via the Total Enrollment module. The system will verify CAPR gatekeeper authority via the Total Enrollment module database.

SP-66. The system will allow the CAPR customer POC to modify the CAPR in order to change suggested items/vendors before it is sent on to Logistics.

SP-67. The system will provide a mechanism for CAPR electronic approval for each technical evaluator and the final authority in DCSIM.

SP-68. The system will allow IL&E personnel with document control number assignment capability to view and print the on-line CAPR.

3.3 Inputs and Outputs

3.3.1 Input/Display Screens

The following lists all screens that will be provided for small purchase tracking. The design of the screens will be finalized through in-process review meetings in the follow-on development task.

Small Purchase Request Submission Screen	Screen used to input, update small purchase request submissions
Small Purchase Funding Authority Screen	Screen used by purchasing agents to authorize individuals who can attach certified 81 numbers to SP requests.
Small Purchase Assignment Screen	Screen used by SP gatekeeper to assign a SP request to specific purchasing agent.
Small Purchase CARN Extension Screen	Screen used by purchasing agents to generate CARN extensions from the "master" CARN on the SDC 81.
CAPR Submission Screen	Screen used to input, update CAPR submissions.
CAPR Assignment Screen	Screen used by CAPR gatekeeper to assign a CAPR submission to specific CAPR customer point of contact.

CAPR POC Tracking Screen

Screen used by CAPR customer POC to assign and track technical reviews.

Revised Document Register Screen

Screen used by authorized Logistics personnel to access SP requests, associated CAPRs, and assign document numbers.

3.3.2 Output Reports

The term "standard reports" refers to those reports that appear on a module menu and are available for selection at any time. Standard reports will be provided to users through menus and screens. Output from these reports may be directed by the user at the time of selection to the dedicated printers connected to their PCs, or available on the network. Generated reports will also be available for on-screen review, except for "form-type" reports such as the 580, which will only be available in hard-copy form.

3.4 Database Characteristics

The following paragraphs outline an initial description of the database tables required to support the module requirements identified. Relationships between table records will be created via key fields to provide logical linkage.

The following database schema is a preliminary view to be further refined and restructured for flexibility and future requirements.

SP_REQUEST_MASTER

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
HR_NO	NUMBER(3)
REQUESTER POC_ID	NUMBER(6)
REQUEST DATE	DATE
CREATE_DATE	DATE
CREATE_ID	VARCHAR2(16)
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_REQUEST_DETAIL

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
APPROVER_ID	NUMBER(6)
APPROVAL_DATE	DATE

CAPR_REQUIRED	VARCHAR2(1)
ITEM_DESCRIPTION	VARCHAR2(70)
NSN	VARCHAR2(16)
MANUFACTURER	VARCHAR2(50)
MODEL_NO	VARCHAR2(30)
PART_NO	VARCHAR2(30)
QUANTITY_REQUESTED	NUMBER(4)
UNIT_OF_ISSUE	VARCHAR2(6)
EST_UNIT_COST	NUMBER(9,2)
EST_TOTAL_COST	NUMBER(12,2)
ACT_UNIT_COST	NUMBER(9,2)
ACT_TOTAL_COST	NUMBER(12,2)
GSA_CONTRACT_NO	VARCHAR2(20)
DATE_ORDERED	DATE
QUANTITY_RECEIVED	NUMBER(4)
DATE_RECEIVED	DATE
DATE_PAID	DATE
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_DELIVERY_PROMISE_DATES

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
DATE_PROMISED	DATE
DATE_DELIVERED	DATE
REASON_FOR_DELAY	VARCHAR2(60)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_REQUEST_SOURCES

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
SUGGESTED_SOURCE	VARCHAR2(70)
ADDRESS	VARCHAR2(70)
POC_PHONE	VARCHAR2(20)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_FUNDING_SOURCES

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)

ITEM_NUMBER	NUMBER(3)
FY	VARCHAR2(4)
OPLIN	VARCHAR2(16)
ORDER_NUMBER	VARCHAR2(16)
CERTIFIED	VARCHAR2(1)
FUND_ESTABLISHMENT_DATE	DATE
FUND_CERTIFICATION_DATE	DATE
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_CAPRS

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
CAPR NUMBER	VARCHAR2(16)
CAPR_ITEM_NUMBER	NUMBER(3)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_DOCUMENT_NUMBERS

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
DOCUMENT_NUMBER	VARCHAR2(18)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_HOLDS

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
HOLD DATE	DATE
RELEASE_DATE	DATE
REQUESTER_ID	NUMBER(6)
HOLD REASON	VARCHAR2(60)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_PRIORITY_STATUS_JUSTIFICATION

<u>Name</u>	<u>Type</u>
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REQUEST_ID	NUMBER(8)
JUSTIFICATION	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_SOLE_SOURCE_JUSTIFICATION

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
JUSTIFICATION	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_OTHER_ATTACHED_TEXT

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
OTHER_TEXT	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_APPROVED_REQUESTS

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
AWARD_EFFECTIVE_DATE	DATE
SOLICITATION_NUMBER	DATE
SOLICITATION_ISSUE_DATE	DATE
OFFER_DUE_DATE	DATE
ISSUED_BY_LINE1	VARCHAR2(40)
ISSUED_BY_LINE2	VARCHAR2(40)
ISSUED_BY_LINE3	VARCHAR2(40)
ISSUED_BY_LINE4	VARCHAR2(40)
DELIVER_TO_LINE1	VARCHAR2(40)
DELIVER_TO_LINE2	VARCHAR2(40)
DELIVER_TO_LINE3	VARCHAR2(40)
DELIVER_TO_LINE4	VARCHAR2(40)
ACQUISITION_TYPE	VARCHAR2(1)
SET_ASIDE_PERCENTAGE	NUMBER(3)
SMALL_BUSINESS	VARCHAR2(1)
SMALL_DISADV_BUSINESS	VARCHAR2(1)
8_A	VARCHAR2(1)
RATING	VARCHAR2(30)
METHOD_OF_SOLICITATION	VARCHAR2(1)
ADMINISTERED_BY_LINE1	VARCHAR2(40)

ADMINISTERED_BY_LINE2	VARCHAR2(40)
ADMINISTERED_BY_LINE3	VARCHAR2(40)
CONTRACTOR_OFFERER_LINE1	VARCHAR2(40)
CONTRACTOR_OFFERER_LINE2	VARCHAR2(40)
CONTRACTOR_OFFERER_LINE3	VARCHAR2(40)
PAYMENT_LINE1	VARCHAR2(40)
PAYMENT_LINE2	VARCHAR2(40)
PAYMENT_LINE3	VARCHAR2(40)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_ADDENDUMS

<u>Name</u>	<u>Type</u>
REQUEST_ID	NUMBER(8)
ITEM_NUMBER	NUMBER(3)
ADDENDUM_TEXT	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

SP_FUNDING_SIGNATURE_LIST

<u>Name</u>	<u>Type</u>
FUNDING_AUTHORITY_ID	NUMBER(6)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

CQ_CAPR_FORM_MASTER

<u>Name</u>	<u>Type</u>
CAPR NUMBER	VARCHAR2(16)
REQUESTER_ID	NUMBER(6)
DATE_OF_REQUEST	DATE
DCSIM_CUSTOMER_POC_ID	NUMBER(6)
POC_NAME	VARCHAR2(30)
POC_TITLE	VARCHAR2(30)
POC_OFFICE_SYMBOL	VARCHAR2(16)
POC_PHONE	VARCHAR2(14)
REQ_ORG_LINE1	VARCHAR2(30)
REQ_ORG_LINE2	VARCHAR2(30)
REQ_ORG_LINE3	VARCHAR2(30)
REQ_ORG_LINE4	VARCHAR2(30)
HR HOLDER_ID	NUMBER(6)
HR_NO	NUMBER(4)
SERVICE_DATE	VARCHAR2(12)

JUSTIFICATION	VARCHAR2(2000)
SECURITY_PROTECTION	VARCHAR2(2000)
COMPATIBILITY	VARCHAR2(2000)
COMPETITIVE_NONCOMPETITIVE	VARCHAR2(1)
APPROVED_DISAPPROVED	VARCHAR2(1)
COMMENT_INDICATOR	VARCHAR2(1)
IMMP_NUMBER	VARCHAR2(8)
POE_CHIEF_ID	NUMBER(6)
POE_CHIEF_APPROVAL_DATE	DATE
IM_APPROVAL_ID	NUMBER(6)
IM_CHIEF_APPROVAL_DATE	DATE
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

CQ_CAPR_FORM_DETAIL

<u>Name</u>	<u>Type</u>
CAPR NUMBER	VARCHAR2(16)
CAPR_ITEM_NUMBER	NUMBER(3)
ITEM_DESCRIPTION	VARCHAR2(60)
ITEM_PART_NUMBER	VARCHAR2(20)
QUANTITY_REQUESTED	NUMBER(3)
UNIT_PRICE	NUMBER(9,2)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

CQ_CAPR_IM_COMMENTS

<u>Name</u>	<u>Type</u>
CAPR NUMBER	VARCHAR2(16)
COMMENT_TEXT	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

CQ_TECHNICAL_ASSIGNMENTS

<u>Name</u>	<u>Type</u>
CAPR NUMBER	VARCHAR2(16)
CAPR_ITEM_NUMBER	NUMBER(3)
TECHNICAL_REVIEWER_ID	NUMBER(6)
REVIEW_TEXT	LONG
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

CQ_SIGNATURE_AUTHORITY_LIST

<u>Name</u>	<u>Type</u>
SIGNATURE_ID	NUMBER(6)
POE_CHIEF_DESIGNATOR	VARCHAR2(1)
CREATE_ID	VARCHAR2(16)
CREATE_DATE	DATE
UPDATE_ID	VARCHAR2(16)
UPDATE_DATE	DATE

3.5 Failure Contingencies

When developed, the Small Purchase Tracking System module will reside on the CIMS application server. All measures used in both current and future enhancements to provide for continued operations in the event of data or equipment loss will apply to the SPTS module. These include, but are not limited to:

- (1) daily backups to magnetic media of changes that occur during the day;
- (2) weekly backups of all data resident in the Oracle database;
- (3) Continuity of Operations Plan (COOP);
- (4) database-level audit logging

SECTION 4. DESIGN CONSIDERATIONS

4.1 System Description

The SPTS module design assumes the use of Oracle software for the following:

- maintenance of any tables,
- development of screens for data entry and review,
- development of menus for actions and navigation, and
- report generation

The system will take full advantage of existing Oracle tables in the current CIMS wherever feasible. Furthermore, system design will provide users with a standard report generation utility that will allow options in report information. The SPTS module will be developed to provide such an interface using Oracle Developer 2000.

4.2 System Functions

- SYS-01.** Users will access the system in an interactive mode through menus that display available module options. Menus will be designed to minimize depth of the menu hierarchy.
- SYS-02.** Users will access data through pre-formatted input and display screens. When possible, data input will be validated at the time of input.
- SYS-03.** When appropriate, users will be provided with the capability of listing and selecting values from master tables without exiting the current data input screen.

- SYS-04.** When possible, common data will be shared between CIMS modules. The ultimate responsibility for common data tables will rest with a single organizational element.
- SYS-05.** All appropriate on-screen data listings will provide scrolling capability to enable users to view multiple lines of detail.
- SYS-06.** When appropriate, user-friendly warning messages will be displayed on-line to inform the user that invalid operations have been performed, edit specifications have not been met, or required operations have been performed.

4.3 Flexibility

The system functionalities have been designed with flexibility as a high priority, second only to user requirements.

Master tables maintained by the users will be employed wherever possible, virtually eliminating any hard-coding of specific requirements in the screens, reports, and other programs. This will allow the system to be dynamic in nature, while eliminating massive programming changes for each change in the data contained in master tables.

The modular design of the new system lends itself to later additions or deletions of modules and sub-modules. New screens and reports may be added to the system at a later date without impairing the remainder of the system.

The module will be developed as a part of the existing CIMS, thereby allowing the module to benefit fully from any future system enhancements. It will also allow the module to interface easily with both current and future CIMS modules.

4.4 System Data

Not applicable.

SECTION 5. ENVIRONMENT

5.1 Equipment Environment

The Small Purchase Tracking System module will use the CIMS application server currently supporting the unclassified CIMS, and the users' PCs, networked to the server.

Additional hardware has not been identified as a requirement for the Small Purchase Tracking System module. Side-by printers or existing networked printers will be available for output.

5.2 Software Support Environment

At present, it is assumed that the software developed for the Small Purchase Tracking System module will be an integral part of the CIMS. Thus, it is expected that the Oracle software development environment and associated tools will be used to support the data management requirements of the SPTS module.

5.3 Communication Requirements

Software resulting from the SPTS module implementation on the CIMS application server will use existing communications software and network capabilities. Local and remote users will access the SPTS module in the same manner, and under the same communications restraint (PCs linked to a secure network) as those users who now access the CIMS.

5.3.1 Graphic Overview

Not applicable.

5.3.2 Hardware

No additional hardware is needed for the CIMS VAX database server. Users of the system will require at least a 486 PC with a minimum of 8 Mb memory to execute the client side of the software.

5.3.3 Software

The following Oracle Developer 2000 run-time products must be installed on the user's PC prior to using the SPTS module.

- SQL*Net
- On Net
- Forms 2.5 Run-time
- Reports 2.5 Run-time
- Graphics 2.5 Run-time

In addition, specific common files must be placed in the Windows subdirectory on the user's PC.

5.4 Interfaces

There will be no interfaces with other computer systems. Any interfaces that link one group with another will be transparent to the user.

5.5 Summary of Impacts

5.5.1 ADP Organizational Impacts

Not applicable.

5.5.2 ADP Operational Impacts

None.

5.5.3 ADP Development Impacts

Reference paragraph 5.3.3.

5.6 Failure Contingencies

Reference paragraph 3.5.

5.7 Assumptions and Constraints

The design of the SPTS module assumes that the software will be developed using the Oracle Developer 2000 designer toolkit, in conjunction with the Oracle RDBMS. It also assumes that users will be using Windows 3.X or Windows 95 on an IBM-compatible PC. Users with Apple Macintosh computers will be served on a case-by-case basis.

SECTION 6. SECURITY

6.1 Background Information

The Small Purchase Tracking System module will be developed on the unclassified CIMS application server. Users of the CIMS must have individual database accounts and passwords granted by the DCSIM.

6.2 Control Points, Vulnerabilities and Safeguards

6.2.1 Control Points

The majority of the data will be entered into the system by analysts, specialists, and data-entry personnel located at the Huntsville branch of USASSDC. Most types of data errors or inconsistencies will be detected at entry, and an appropriate message will be displayed on the user's PC.

USASSDC users of the system will be able to print reports of various types and styles to dedicated printers connected to their PCs, as well as to printers on the network. Disposal of printed material from the system will be handled by the originator.

6.2.2 Vulnerabilities

Although detailed edit specifications will be inherent to the completed system, data may be susceptible to entry errors. Additionally, SPTS module data may be compromised if printed material is left unattended in the user work area or on a networked printer for an extended period.

6.2.3 Safeguards

The initial safeguard consists of the user name and password for the database. Passwords are controlled by USASSDC DCSIM, and are assigned individually. Passwords are classified as For Official Use Only (FOUO). Unauthorized use of a user name/password is considered a violation.

System tables will be maintained to specify the individual users allowed access to any given menu option on the CIMS. This begins at the initial CIMS Module Menu and continues through all subsequent menus within the module. Additionally, Oracle RDBMS table grants will be used to specify, at the table level, the users granted access to certain tables. This capability further refines user read/write privileges to tables.

To safeguard against data-entry errors, the system will contain a series of checks and balances. Whenever possible, these checks and balances will act during input to prevent invalid entries. Otherwise, reports will be provided to identify unbalanced conditions and invalid data.

6.3 System Monitoring and Auditing

6.3.1 Journalizing

Journalizing will be controlled by existing functionality and requirements of the current CIMS. This includes transaction monitoring by the automated Oracle database monitoring software.

6.3.2 Audit Trail

For each database table in which the user may enter or update data, Oracle will record the user name of the individual who created or updated the data at the table level.

SECTION 7. SYSTEM DEVELOPMENT PLAN

The following tasks must be completed to develop and implement the Small Purchase Tracking System:

1. Software development time (SPTS)	hours
2. Develop User Guide	hours
3. Develop Training Manual	hours
4. Develop Test and Implementation Plan	hours
5. <u>Develop Maintenance Manual</u>	<u>hours</u>
Total	hours
6. Automated CAPR Development*	hours

* *Documentation of automated CAPR will be integrated with SPTS if implemented*

SECTION 8. COST FACTORS

Funds should be allocated to supplement the full-time staff of the CIMS Engineering Development and Implementation Team for the purpose of performing the required development. All development tools and PC software are available, and would result in no additional cost.

APPENDIX G**TECHNICAL SUPPORT PLANNING GUIDE****1.0 INTRODUCTION:**

This appendix is provided as a guide in planning and providing continuity of full-time on-site technical support to other locations that may be supported under the provisions of SOW Paragraph 2.1.5.

2.0 KAWAJALEIN ON-SITE SUPPORT: On-site automated information systems administrator support for USAKA/KMR may be required by Technical Directive as follows.

Identify and provide on-site technical support to USAKA/KMR. This technical support may provide, as directed, assistance to users in developing the skills needed to effectively utilize the equipment and software provided by the Information Management Division at USAKA/KMR and to assist in the identification and development of additional computer/network functionality. The activities may include but not be limited to the following.

Analyze USAKA/KMR site requirements and insure total effectiveness consistent with USASMDC Network architecture and system policies. Work with Deputy Chief of Staff, Information Management Division to ensure that the Kwajalein Logistics Contractor, Information Management Staff and other computer support personnel are effectively supporting the needs of both USAKA/KMR and contractor support network users. Ensure that Network Security objectives are met.

Provide network administration, network integration, user consultation, maintenance coordination with the Kwajalein Logistics Contractor, Information Management Staff, and related technical coordination to include providing expertise in the area of DEC ALPHA upgrades and concurrent software (usually but not necessarily Oracle based) upgrades. Provide expertise in the area of STAMIS systems and their commercial equivalents.

Provide support in the utilization of microcomputer (MS-DOS) hardware and software including engineering system configuration, software configuration, peripheral interface, and problem identification and resolution. Assist in resolving problems associated with the design and initial installation of microcomputer hardware and software systems as well as problems in development of software/hardware upgrade paths and problems attendant upon upgrades. Problem resolution includes assisting with isolation of the problem to determine the origin of the malfunction, determination of system problems and their resolution, identification of required additional hardware or software, and verification of testing of the system to verify operational ability upon resolution of the

problem.

Provide limited end user support for the site. Support may include user requests for assistance in the use of command supported software packages such as Microsoft Office, for special project software, and for unique PC configurations.

Provide a focal point for technical interface and coordination with other Command Information Management Systems (CIMS) locations.

The USAKA/KMR technical representative is to be an experienced computer professional with demonstrated expertise with Novell networks and IBM compatible micro-computer hardware and software and be reasonably familiar with both the VAX and UNIX environments and must be capable in the Windows 95/Windows NT environment. Familiarity with Intranet development, Data Warehousing, and Electronic Filing Systems is an advantage.

Provide the following specifically tailored information for this TD in accordance with DD Form 1423:

- a. Status Report
- b. Technical Report - Study/Services
- c. Scientific and Technical Report Summaries
- d. Contract Funds Status Report
- e. Funds and Man-Hour Expenditure Report

3.0 THAAD PROJECT OFFICE ON-SITE SUPPORT: On-site automated information systems support may be required to support the THAAD Project Office, Huntsville, AL, as follows.

The contractor may perform research and development as directed in new and emerging technology to identify, evaluate, and implement system improvements to the THAAD ADP systems. The contractor may design as directed new systems and subsystems, both hardware and software, to enhance existing ADP requirements and to meet future growth requirements. The design may be in the form of Technical Reports and may identify requirements for development and implementation. As directed, the contractor may identify additional resources for the development and implementation.

The contractor may provide support for the THAAD local area networks (LAN) and wide area networks (WAN) to include network management configuration, maintenance, documentation, and troubleshooting. The THAAD LAN/WAN environment includes the THAAD PO LAN that interfaces with the CIMS network and a telecommunications link to the THAAD contractor, LMSC in Huntsville, AL. The support may include new network resources including the CALS WAN that is in process. The support may also include the WorldTalk messaging system that may be implemented using the CALS WAN. The contractor may also provide technical reports on new network technologies and make

recommendations regarding enhancements and changes to the THAAD LAN/WAN environment.

The contractor may provide systems analysis and system engineering services to support, monitor, maintain, enhance and expand the LAN (Novell Netware, with Netware for Macintosh). This includes specialized networked equipment such as a CD-ROM library, optical character reader, color scanners and printers, facsimile capability and access by remote users via network modems. The contractor may support the network interconnectivity to other systems at contractor facilities and other government agencies.

The contractor may operate all computer systems and supporting equipment for approximately 200 users in two locations. The contractor may develop and maintain operational procedures, maintain a library and a record of magnetic disk/tapes, and be responsible for backing up the files on a routing basis.

The contractor may coordinate routing non-scheduled, on-site repair service for all computer equipment hand-recited to the THAAD Project Office through the CIMS Help Desk and obtain maintenance for equipment under vendor warranty in accordance with applicable warranties.

The contractor may provide support in the utilization of microcomputer (MS-DOS and Macintosh PC) hardware and software including system set-up and configuration, software installation and configuration, peripheral connection and interface, and problem identification and resolution. The contractor may resolve problems associated with microcomputer hardware and software systems. Problem resolution includes isolation of the problem to determine the origin of the malfunction, resolution of the problem when possible, notification of the Help Desk when necessary, identification of required replacement or additional hardware or software, and testing of the system to verify operational ability upon resolution of the problem.

The contractor may provide limited orientation and training, one-on-one, to government personnel in the utilization of microcomputer hardware and software.

The contractor may provide the following specifically tailored information for this TD in accordance with the DD Form 1423:

- a. Status Report
- b. Technical Report - Study/Services
- c. Scientific and Technical Report Summaries
- d. Contract Funds Status Report
- e. Funds and Man-Hour Expenditure Report

4.0 NMD AUTOMATED INFORMATION SYSTEMS (AIS) ON-SITE SUPPORT: On-

site National Missile Defense (NMD) automated information system support may be required as follows.

The work under this technical directive may provide operations, training, maintenance and planning guidance for support of the National Missile Defense (NMD) Automated Information System (AIS). The AIS is composed of multiple LANs, both classified and unclassified. The individual selected for support of the AIS may be assigned to the NMD office for direct support of the LANs, and will possess at least a SECRET security clearance. The selected individuals may travel between the NMD offices in Huntsville, Alabama to perform their duties. A system administrator is required to support this task.

The personnel assigned to this task may maintain the NMD AIS hardware and software. They may collaborate with and assist the DCSIM in establishing automated network links between all suborganizations of NMD and all other PEO organizational elements as well as with other government agencies, support contractors and prime contractors as needed. They may give and attend technical briefings, produce feasibility studies for proposed and planned networking enhancements, adhere to AIS security regulations where appropriate, and assist in training customers.

The System Administrator may operate the LANs and provide overall administrative functions with the following duties: 1) Responsible for daily operation and efficiency management of all hardware and software. 2) Install commercial software and maintain standard operating procedures, training logs, trouble reports, and other reports as deemed necessary. 3) Modify and maintain computer software applications [databases spread sheets etc.] within the limits of applicable licenses. 4) Maintain records, warranties, registrations, and other software documents associated with the LANs. 5) Recommend and brief AIS upgrades to improve network functionality and capability. 6) Recommend procurement and maintain the LANs connectivity and access to other systems including approved vendor hardware/software on-line services. 7) Develop feasibility studies detailing procurement, installation and operations to include milestone and project schedules.

The selected individual must have a minimum of five years experience with Macintoshes and LANs. An Apple trained technician is preferable.

The contractor may provide the following specifically tailored information for this TD in accordance with the DD Form 1423:

- a. Status Report
- b. Technical Report - Study/Services
- c. Scientific and Technical Report Summaries
- d. Contract Funds Status Report
- e. Funds and Man-Hour Expenditure Report

5.0 MISSILE DEFENSE BUDGET AND EXECUTION SYSTEM (MDBES): On-Site technical support for the Program Executive Office (PEO) Missile Defense Budget and Execution System may be required as follows.

Provide on-site system support, training, and software support for modifications to the Program Executive Office (PEO) Missile Defense Budget and Execution System (MDBES).

Software changes requested by the PEO to the MDBES module may be evaluated and those that can be accomplished within the period of performance of this task may be performed in accordance with the established software development process, which includes tracking the modifications through the Software Change Request (SCR) process.

The PEO MDBES Module Manager may prioritize the changes to the MDBES module and any scheduling changes that are a result of re-prioritization may be coordinated with and approved by the Module Manager.

Changes to the MDBES End User's Manual (EM) may be developed to accurately reflect the software capabilities of the MDBES Module. The EM may describe procedures at a level that may enable users to reasonably execute all functions of the MDBES Module.

Training may be provided as required for users of the MDBES module. Training manuals and other appropriate training materials may be produced and coordinated with the Module Manager and the ODCSIM.

The person providing on-site system assistance may be co-located with the PEO Missile Defense staff.

The contractor may provide the following specifically tailored information for this TD in accordance with the DD Form 1423:

- a. Status Report
- b. Contract Funds Status Report
- c. Funds and Man-Hour Expenditure Report
- d. Technical Report
- e. Funds and Man-Hour Expenditure Report

6.0 USASMDC BUDGET AND EXECUTION SYSTEM : On-Site technical support for the USASMDC Budget and Execution System may be required as follows.

Provide on-site system support, training, and software support for modifications to the USASMDC Budget and Execution System (BES)

Software changes to the BES module shall be evaluated and those that can be accomplished may be performed in accordance with the established software development process, which includes tracking the modifications through the Software Change Request (SCR) process.

The BES Module Manager may prioritize the changes to the BES module and any scheduling changes that are a result of re-prioritization may be coordinated with and approved by the Module Manager.

The person providing on-site system assistance shall be co-located with the Resource Management staff.

The contractor may provide the following specifically tailored information for this TD in accordance with the DD Form 1423:

- a. Status Report
- b. Contract Funds Status Report
- c. Funds and Man-Hour Expenditure Report
- d. Technical Report
- e. Funds and Man-Hour Expenditure Report

CIMS GFE LIST
DAS60-98-C-0017

8/17/98

Item	Control No.	PO	SOC/TE	TY	Manufacturer	FSG	Description	Serial No.	Particular No.	Serial Stock No.	Qty	Unit Cost	Total Cost	Received	Blgd	Room	Unit Inv
1	G00054	TRANS	0	G	VITALINK	7025	TRANS-LAN	3120418887	320	7025-01-186-9942	1	1,505	3,505	7/13/94	COL SA	107 B ROGERS	5/15/97
2	G00054	TRANS	0	G	HP	7025	PRINTER LASER	3120418887	HP 4100	7025-01-186-9942	1	1,422	3,265	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
3	G00054	TRANS	0	G	SUN	7025	TAPE DRIVE	80867017	1/4" 60 MB	7025-01-186-9942	1	1,288	3,265	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
4	G00054	TRANS	0	G	SUN	7025	DISK DRIVE	82802876	32 MB	7025-01-186-9942	1	3,331	3,331	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
5	G00054	TRANS	0	G	SUN	7025	COMPUTER	82802876	9 TRACK	7025-01-186-9942	1	8,700	8,700	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
6	G00054	TRANS	0	G	SUN	7025	TAPE DRIVE	82802876	32 MB	7025-01-186-9942	1	3,331	3,331	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
7	G00054	TRANS	0	G	ATECCON	7025	TAPE DRIVE	3021	9 TRACK	7025-01-186-9942	1	6,000	6,000	7/13/94	COL SA	107 B ROGERS	5/15/97
8	G00102	TRANS	0	G	VERILINK	7025	DSU CONNECT 1	00118868	4100	7025-01-186-9942	1	1,351	1,351	7/13/94	COL SA	107 B ROGERS	5/15/97
9	G00102	TRANS	0	G	VERILINK	7025	DSU CONNECT 1	00118868	4100	7025-01-186-9942	1	1,351	1,351	7/13/94	COL SA	107 B ROGERS	5/15/97
10	G00112	TRANS	0	G	JUKE BOX	7025	OPTICAL DRIVE	4745M	4100	7025-01-186-9942	1	3,000	3,000	7/13/94	COL SA	107 B ROGERS	5/15/97
11	G00112	TRANS	0	G	JUKE BOX	7025	OPTICAL DRIVE	4745M	4100	7025-01-186-9942	1	3,000	3,000	7/13/94	COL SA	107 B ROGERS	5/15/97
12	G00112	TRANS	0	G	JUKE BOX	7025	OPTICAL DRIVE	4745M	4100	7025-01-186-9942	1	3,000	3,000	7/13/94	COL SA	107 B ROGERS	5/15/97
13	G00114	TRANS	0	G	SUN	7025	CHASSIS	82802876	4100	7025-01-186-9942	1	84,713	84,713	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
14	G00114	TRANS	0	G	SUN	7025	CHASSIS	82802876	4100	7025-01-186-9942	1	4,318	4,318	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
15	G00115	TRANS	0	G	CISCO	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	4,410	4,410	7/13/94	COL SA	107 B ROGERS	5/15/97
16	G00120	TRANS	0	G	MOTOROLA	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	4,410	4,410	7/13/94	COL SA	107 B ROGERS	5/15/97
17	G00121	TRANS	0	G	CLARY	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	12,700	12,700	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
18	G00125	TRANS	0	G	CLARY	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	4,000	4,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
19	G00127	TRANS	0	G	CLARY	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	28,000	28,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
20	G00128	TRANS	0	G	CLARY	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	28,000	28,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
21	G00132	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	600	600	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
22	G00132	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	820	820	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
23	G00133	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	50,000	50,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
24	G00134	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	8,000	8,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
25	G00134	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	50,000	50,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
26	G00136	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	386	386	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
27	G00137	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	458	458	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
28	G00140	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,000	1,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
29	G00147	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	3,285	3,285	7/13/94	COL SA	107 B ROGERS	5/15/97
30	G00148	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	6,000	6,000	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
31	G00152	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	500	500	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
32	G00152	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,283	1,283	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
33	G00153	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	20,413	20,413	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
34	G00154	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	16,397	16,397	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
35	G00154	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	16,397	16,397	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
36	G00154	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	16,397	16,397	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
37	G00154	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	16,397	16,397	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
38	G00159	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	498	498	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
39	G00159	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	820	820	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
40	G00160	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	587,073	587,073	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
41	G00162	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	180,074	180,074	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
42	G00163	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,305	1,305	7/13/94	COL SA	107 B ROGERS	5/15/97
43	G00164	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	605	605	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
44	G00165	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,500	1,500	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
45	G00166	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,500	1,500	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
46	G00167	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	4,318	4,318	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
47	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	154	154	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
48	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	348	348	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
49	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,823	1,823	7/13/94	COL SA	107 B ROGERS	5/15/97
50	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	321	321	7/13/94	COL SA	107 B ROGERS	5/15/97
51	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	598	598	7/13/94	COL SA	107 B ROGERS	5/15/97
52	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	498	498	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
53	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	3,283	3,283	7/13/94	COL SA	107 B ROGERS	5/15/97
54	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	1,980	1,980	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
55	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
56	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
57	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
58	G00168	TRANS	0	G	DIGITAL	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
59	G00201	TRANS	0	G	AMERICAN PR	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
60	G00201	TRANS	0	G	AMERICAN PR	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
61	G00205	TRANS	0	G	AMERICAN PR	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
62	G00207	TRANS	0	G	AMERICAN PR	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187	187	3-1-Mar-94	COL SA	107 B ROGERS	5/15/97
63	G00220	TRANS	0	G	AMERICAN PR	7025	SERVER 700	00089X	4100	7025-01-186-9942	1	187					

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Item	Control No	PO	SOCITE	TV	Manufacturer	FBC	Description	Serial No.	Part/Model No.	Edel Steel No.	Qty	Unit	Unit Cost	Total Cost	Received	Make	Room	Location	
68	G00241	TRANS	4473	G	UNISYS	7025	COMPUTER	40752497	UNIB	21107PC03281	1	EA	993	993	31-Mar-94	SOC	181100	73197	
69	G00245	TRANS	3469	G	UNISYS	7025	COMPUTER	38582488	WMB	21107PC0203P	1	EA	993	993	31-Mar-94	SOC	1E3800	5/9/97	
70	G00250	TRANS	0	G	EMLETT PACK	7025	PRINTER	2882510711	DESKJET	010-00K-92-0270	1	EA	985	985	31-Mar-94	SOC	181100	73197	
71	G00251	TRANS	0	G	EMLETT PACK	7025	PRINTER	3000595932	DESKJET	010-00K-92-0270	1	EA	985	985	31-Mar-94	SOC	181100	73197	
72	G00255	TRANS	0	G	EMLETT PACK	7025	PRINTER	3033467690	DESKJET	010-00K-92-0270	1	EA	985	985	31-Mar-94	SOC	181100	73197	
73	G00281	TRANS	4988	G	MANITON	7025	MONITOR	5187231	LASER II	7025-01-307-8080	1	EA	1,422	1,422	31-Mar-94	SOC	181100	73197	
74	G00284	TRANS	5272	G	EVEREX	7025	MONITOR	EQ2.22300006	MAC RGB	7010-00-92-0270	1	EA	818	818	31-Mar-94	SOC	181100	73197	
75	G00272	TRANS	5085	G	BERNOLLI	7025	EXTERNAL DRIVE	8282240008	WRITER II	392218144K	1	EA	949	949	31-Mar-94	SOC	181100	92397	
76	G00272	TRANS	5086	G	MACINTOSH	7025	LASERWRITER	CA14706P446000	WRITER II	55639M8000	1	EA	4,620	4,620	31-Mar-94	SOC	181100	92397	
77	G00272	TRANS	5211	G	EVEREX	7025	COMP NOTEBOOK	EQ222300022	WRITER II	010-00K-92-0270	1	EA	1,674	1,674	31-Mar-94	SOC	1E3300	9/9/96	
78	G00278	TRANS	7292	G	MOSLEN	7025	SAFE	1210598	2 DRAWER	2110-00-92-0310	1	EA	1,718	1,718	31-Mar-94	SOC	181100	73197	
79	G00288	TRANS	7318	G	IBM	7025	WHEELWRITER	11002220	WMB	2110-00-92-0301	1	EA	732	732	31-Mar-94	CORP	103WOODARD	8/1/97	
80	G00300	TRANS	6605	L	UNISYS	7025	MODEM	012221	LOAN GENE COMPTON	21101MDM8800	1	EA	125	125	31-Mar-94	SOC	181100	73197	
81	G00300	TRANS	6606	L	UNISYS	7025	MODEM	012221	LOAN GENE COMPTON	21101MDM8800	1	EA	125	125	31-Mar-94	SOC	181100	73197	
82	G00303	TRANS	5270	G	EVEREX	7025	COMP NOTEBOOK	EQ222300015	LOAN LTC T. DRESEN	010-00K-92-0270	1	EA	1,674	1,674	31-Mar-94	SOC	181175	6/30/97	
83	G00304	TRANS	5214	G	EVEREX	7025	COMP NOTEBOOK	EQ222300016	LOAN MAL JAMES LLOYD	010-00K-92-0270	1	EA	1,674	1,674	31-Mar-94	SOC	1E3300	6/13/97	
84	G00304	TRANS	5406	G	EVEREX	7025	COMP NOTEBOOK	EQ221800076	LASERJET III	286039448A	1	EA	1,422	1,422	31-Mar-94	SOC	1E3300	6/13/97	
85	G00310	TRANS	5000	G	EMLETT PACK	7025	PRINTER	3128419822	WORKSTATION	15428V7420C4	1	EA	150	150	31-Mar-94	SOC	181100	73197	
86	G00314	TRANS	6236	L	ERGONIZER	7025	PRINTER STAND	7402317541	VT420 w/ 16 GB0316	15428V7420C4	1	EA	488	488	31-Mar-94	SOC	181100	73197	
87	G00315	TRANS	6907	L	DIGITAL	7025	TERMINAL	14022271	DESKJET PLUS	955-1828-05	1	EA	3,331	3,331	31-Mar-94	SOC	181100	73197	
88	G00331	TRANS	5116	D	HEW PACK	7025	HARD DRIVE	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
89	G00356	TRANS	0	D	HEW PACK	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
90	G00391	TRANS	0	L	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
91	G00398	TRANS	6548	L	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
92	G00398	TRANS	5400	L	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
93	G00394	TRANS	5400	L	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
94	G00394	TRANS	5406	G	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
95	G00398	TRANS	5398	G	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
96	G00410	TRANS	5398	G	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
97	G00430	TRANS	5403	G	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
98	G00441	TRANS	5402	G	DIGITAL	7025	PRINTER	14022271	DESKJET PLUS	955-1828-05	1	EA	865	865	31-Mar-94	SOC	181100	73197	
99	G00482	TRANS	8946	G	VERILINK	7025	SERVER 700	00118701	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
100	G00482	TRANS	8946	G	VERILINK	7025	SERVER 700	00118701	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
101	G00483	TRANS	8946	G	VERILINK	7025	SERVER 700	00118701	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
102	G00484	TRANS	8946	G	VERILINK	7025	SERVER 700	00118701	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
103	G00470	TRANS	0	L	Motorolius	7025	DSU/CSU	0088121	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
104	G00471	TRANS	0	L	Motorolius	7025	DSU/CSU	0088121	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
105	G00472	TRANS	0	L	Motorolius	7025	DSU/CSU	0088121	CONTINUED 1	RSA AEROSTAT	010-00K-92-0270	1	EA	530	530	31-Mar-94	SOC	181100	73197
106	G00477	TRANS	5034	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
107	G00480	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
108	G00512	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
109	G00513	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
110	G00516	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
111	G00517	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
112	G00518	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
113	G00519	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
114	G00520	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
115	G00521	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
116	G00522	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
117	G00523	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
118	G00524	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
119	G00525	TRANS	5035	L	EVEREX	7025	MONITOR 17"	AG333202808	W/ Mouse & kb, Good70	010-00K-92-0270	1	EA	3,417	3,417	31-Mar-94	SOC	181100	73197	
120	G00527	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
121	G00528	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
122	G00529	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
123	G00530	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
124	G00531	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
125	G00533	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
126	G00535	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
127	G00536	TRANS	5400	G	SEATING	7025	CHAIR	EQ221800076	SYSTEM 90	010-00K-92-0270	1	EA	507	507	31-Mar-94	SOC	181100	73197	
128	G00537	TRANS	5400	G	SEATING	7025	CHAIR	EQ											

CIMS GFE LIST

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Item Control No.	PO	SQOTE	TV	Manufacturer	Part No.	Description	Serial No.	Part Model No.	Federal Stock No.	Qty	Unit	Unit Cost	Total Cost	Received	By	Room	Last Inv
135	G00709	TRANS	D	DIGITAL		DSUCS/LINK	82059032	CLASSY LINKS	On 200, network	1	EA	\$ 1,794	\$ 1,794	7/30/98	COLSA	RM 206	8/30/97
136	G00710	TRANS	D	DIGITAL		DSUCS/LINK	92069078	CLASSY LINKS		1	EA	\$ 1,794	\$ 1,794	7/30/98	SOC	181175	8/11/97
137	G00711	TRANS	L	DIGITAL		TERMINAL	7433W15/3	VT 420REPLACEMENT	1B478VT420	1	EA	\$ 490	\$ 490	8/15/98	SOC	181175	7/31/97
138	G00712	TRANS	G	LIEBERT		AIR CONDITIONER	P108-39	PH189A-C01	Unit 3/5 Ed. Alton	1	EA	\$ 15,000	\$ 15,000	7/28/94	SOC	181175	7/31/97
										138		\$ 1,348,081	\$ 1,348,081				

STATEMENT OF NONDISCLOSURE

1. I understand the Government's obligation to prevent creation of an unfair competitive advantage as a result of knowledge gained through access to sensitive information. Consequently, when I have access to sensitive or classified information that belongs to another contractor or data of the Government, I shall not disclose this information as long as it remains sensitive or classified; and I shall refrain from using such information for any purpose other than to perform this contract. I further agree not to disclose any information without prior written approval of the Contracting Officer.

2. I have read and understand procedures for protecting unclassified, classified, and sensitive information which are a part of Contract DASG60-98-C-_____. Accordingly, in my capacity in connection with the above contract, I understand my obligation not to divulge to unauthorized persons within the company, or to anyone outside the company other than personnel of the U. S. Army Space and Missile Defense Command (USASMDC), Information Management Office (IMO) and/or the USASMDC Contracting and Acquisition Management Office (CAMO), information received in connection with subject contract.

Signed: _____ Date: _____

Typed/Printed Name: _____